

PATENT APPLICATION

FORM PTO-1449

ATTY. DOCKET NO.

SERIAL NO.

CSUR.01USR1

Patent No. 5,959,574

LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION
DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT
Aubrey B. Poore, Jr.FILING DATE - Date of
Patent 9/28/99

GROUP

1c903 U.S. PTO
09/865469

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
MAU	A	5,406,289	4/1995	Barker, et. al.	342/96	
I	B	5,537,119	7/1996	Poore, et. al.	342/96	
MAO	C	5,959,574	9/28/1999	Poore, et al.	342/96	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

MAU	AA	A.V. Aho, J.E. Hopcroft, and J.D. Ullman. <i>Design and Analysis of Computer Algorithms</i> . Addison-Wesley, MA, 1974.
	BB	Y. Bar-Shalom. <i>Multitarget-Multisensor Tracking: Advanced Applications</i> . Artech House, Dedham, MA, 1990.
	CC	Y. Bar-Shalom and T.E. Fortmann. <i>Tracking and Data Association</i> . Academic Press, Boston, MA, 1988.
	DD	D.P. Bertsekas and D.A. Castañón. A forward/reverse auction algorithm for asymmetric assignment problems. <i>Computational Optimization and Applications</i> , 1: 277-298, 1992)
	EE	C.R. Reeves ed. <i>Modern Heuristic Techniques for Combinatorial Problems</i> . Halstead Press, Wiley, New York, NY, 1993.
	FF	A.M. Frieze and J. Yadegar. An algorithm for solving 3-dimensional assignment problems with application to scheduling a teaching practice. <i>Journal of the Operational Research Society</i> , 32:989-995, 1981.
MAJ	GG	M.R. Garey and D.S. Johnson. <i>Computers and Intractability</i> . W.H. Freeman and Company, San Francisco, CA, 1979.

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WNU	HH	J. Goffin. On convergence rates of subgradient optimization methods, <i>Mathematical Programming</i> , 13:329-347, 1977.
	II	J.-B. Hiriart-Urruty and C. Lemarèchal. <i>Coonvex Andlysis and Minimization Algorithms I&II</i> . Springer-Verlag, Berlin, 1993.
	JJ	K.C. Kiwiel. Methods of descent for nondifferentiable optimization. In A. Dold and B. Eckmann, editors, <i>Lecture Notes in Mathematics</i> , volume 1133, Berlin, 1985. Springer-Verlag.
	KK	K.C. Kiwiel. An aggregate subgradient method for non-smooth convex minimization. <i>Mathematical Programming</i> , 27:320-341, 1983.
	LL	C. Lemarèchal and R. Mifflin. <i>Nonsmooth Optimization</i> . Pergamon Press, Oxford, UK, 1978.
	MM	G.L. Nemhauser and L.A. Wolsey. <i>Integer and Combinatorial Optimization</i> . Wiley, New York, NY, 1988.
	NN	O.E. Drummond. Multiple target tracking with multiple frame, probabilistic data association. In <i>Signal and Data Processing of Small Targets, SPIE Proceddings</i> , volume 1954, pages 394-408, 1993.
	OO	O.E. Drummond. Feedback in track fusion without process noise. In <i>Signal and Data processing of Small Targets, SPIE Proceddings</i> , volume 2561, pages 369-383, 1995.
	PP	O.E. Drummond. Multiple sensor tracking with multiple frame, probabilistic data association. In <i>Signal and Data Processing of Small Targets, SPIE Proceddings</i> , volume 2561, pages 322-336, 1995.
	QQ	C.H. Papadimitriou and K. Steiglitz. <i>Combinatorial Optimization: Algorithms and Complexity</i> . Prentice-Hall, Inc., Englewood Cliffs, NJ, 1982.
	RR	J. Pearl. <i>Heuristics: Intelligent Search Strategies for Computer Problem Solving</i> . Addison-Wesley, Reading, MA, 1984.
	SS	W. Pierskalla. The tri-substitution method for the three-dimensional assignment problem. <i>Journal du CORS</i> , 5:71-81, 1967.
	TT	B.T. Poljak. Subgradient method: A survey of Soviet research. In C. Lemarèchal and R. Mifflin, editors, <i>Nonsmooth Optimization</i> , pages 5-29, N.Y., 1978. Pergamon Press.
	UU	A.B. Poore. Multidimensional assignment formulation of data association problems arising from multitarget tracking and multisensor data fusion. <i>Computational Optimization and Applications</i> , 3:27-57, 1994
MD	VV	A.B. Poore. Multidimensional assignments and multitarget tracking: Partitioning data sets. In P. Hansen, I.J. Cox, and B. Julesz, editors, <i>DIMACS Series in Discrete Mathematics and Theoretical Computer Science</i> , volume 19, pages 169-198, Providence, R.I., 1995. American Mathematical Society.

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9/25/04	WW	A.B. Poore and O.E. Drummond. Track initiation and maintenance using multidimensional assignment problems. In D.W. Hearn, W.W. Hager, and P.M. Pardalos, editors, <i>Network Optimization</i> , volume 450, pages 407-422, Boston, 1996. Kluwer Academic Publishers B.V.
	XX	A.B. Poore and N. Rijavec. A lagrangian relaxation algorithm for multidimensional assignment problems arising from multitarget tracking. <i>SIAM Journal of Optimization</i> , 3, No. 3:544-563, 1993.
	YY	A.B. Poore and N. Rijavec. A numerical study of some data association problems arising in multitarget tracking. <i>Large Scale Optimization: State of the Art</i> , pages 339-361, 1994.
	ZZ	A.B. Poore and N. Rijavec. Partitioning multiple data sets: multidimensional assignments and lagrangian relaxation. In P.M. Pardalos and H. Wolkowicz, editors, <i>Quadratic Assignment and Related Problems: DIMACS Series in Discrete Mathematics and Theoretical Computer Science</i> , volume 16, pages 25-37, 1994.
	AAA	A.J. Robertson III. A class of lagrangian relaxation algorithms for the multidimensional assignment problem. <i>Ph.D. Thesis, Colorado State University, Ft. Collins, CO</i> , 1995.
	BBB	K.R. Pattipati, S. Deb, and Y. Bar-Shalom. A s-dimensional assignment algorithm for track initiation. In <i>Proceedings of the IEEE Systems Conference, Kobe, Japan</i> , pages 127-130, 1992.
	CCC	K.R. Pattipati, S. Deb, and Y. Bar-Shalom. A multisensor - multitarget data association algorithm for heterogeneous sensors. In <i>Proceedings of the IEEE Transaction on Aerospace and Electronic Systems</i> , volume 29, No. 2, pages 560-568, April 1993.
	DDD	Y. Bar-Shalom, S. Deb, K.R. Pattipati, and H. Tsanakas. A new algorithm for the generalized multidimensional assignment problem. In <i>Proceedings of the IEEE International Conference in Systems, Math, and Cybernetics, Chicago</i> , pages 132-136, 1992.
	EEE	H. Schramm and J. Zowe. A version of the bundle idea for minimizing a nonsmooth function: Conceptual idea, convergence analysis, numerical results. <i>SIAM Journal on Optimization</i> , 2, No. 1:121-152, February, 1992.
	FFF	N.Z. Shor. <i>Minimization Methods for Non-Differentiable Functions</i> . Springer-Verlag, New York, 1985.
	GGG	S.S. Blackman. <i>Multiple Target Tracking with Radar Applications</i> . Artech House, Dedham, MA, 1986.
	HHH	T. Kurien. Issues in the designing of practical multitarget tracking algorithms. In <i>Multitarget-Multisensor Tracking: Advances Applications</i> by Y. Bar-Shalom. Artech House, MA, 1990.
	III	P. Wolfe. A method of conjugate subgradients for minimizing nondifferentiable functions. <i>Mathematical Programming Study</i> , 3:145-173, 1975.
9/25/04	JJJ	P. Wolfe. Finding the nearest point in a polytope. <i>Mathematical Programming Study</i> , 11:128-149, 1976.
EXAMINER		DATE CONSIDERED

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